

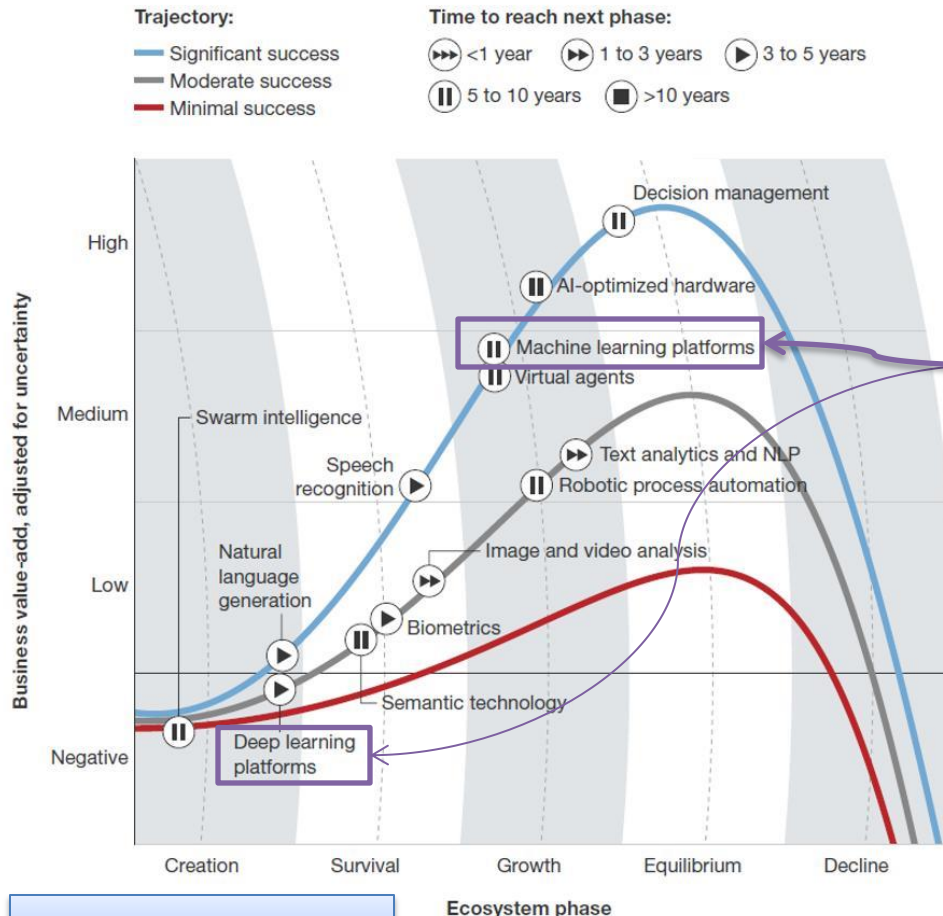
PNN: A Financial AI Platform

PNN: Predictive Neural Networks

An AI Deep Machine Learning
Platform for Financial Markets

PNN: Concept | Position | Value

FIGURE 4 TechRadar™: Artificial Intelligence Technologies, Q1 '17



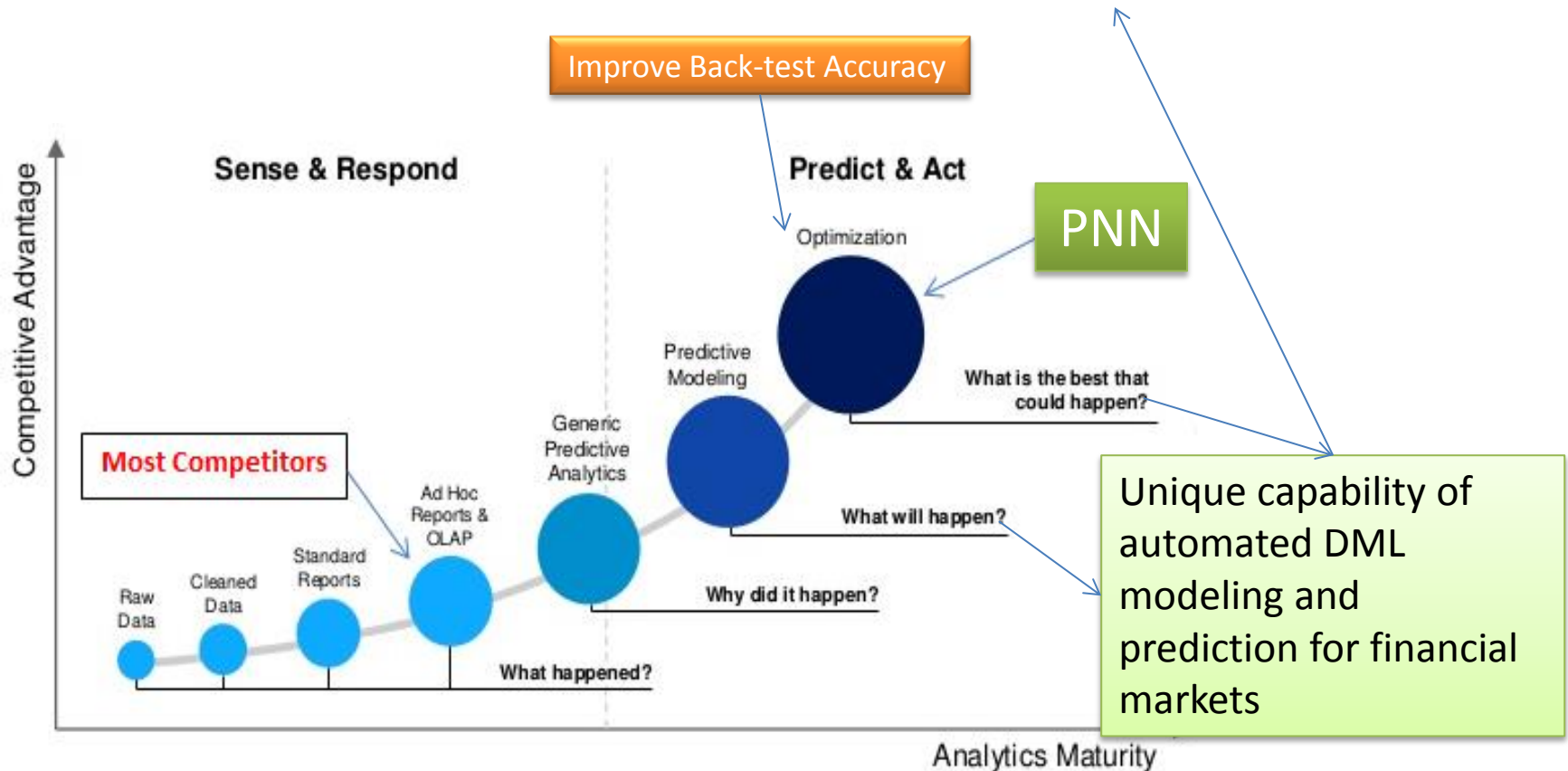
Forrester, Jan. 18 2017

What is PNN: the first artificial intelligence (deep learning) machine to automatically trendspot security prices with neural-network and sentiment algorithms.

Position: a Machine Learning platform or a Deep Learning platform among the AI technologies

Value: it takes investors four weeks and over \$150,000 to manually trendspot a financial security (e.g., AAPL). PNN automatically creates and sends on-demand predictive charts (of the highest back-test accuracy and cross validations) to investors within minutes.

Where is PNN in the Maturity vs. Competition Chart (Differentiator)?



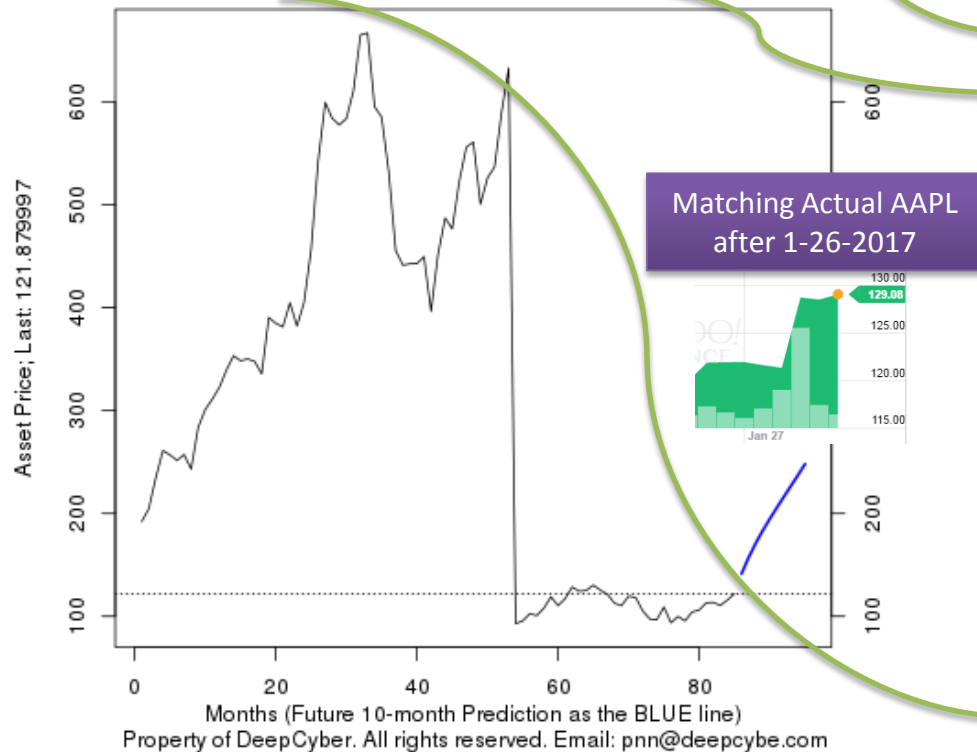
IDC estimated that the AI market will grow from \$8 billion in 2016 to more than \$47 billion in 2020.

PNN: a DML Platform

Demo: PNN Charts and AI Technologies

<https://github.com/yeswici/pnn>

AAPL Artificial Intelligence TrendSpotting by PNN
Back-test Accuracy: 82.7 %; Creation Date: 2017-01-26



On Best Back-test Accuracy

Best DML/AI Technology:

1. Wolfram AI
2. Google AI - TensorFlow
3. PNN AI - proprietary

Best algorithm:

1. Black and Scholes on option pricing;
2. Kahneman on loss aversion ([Chapter 5](#));
3. Engle on GARCH volatility;
4. Shiller and Fama on asset trendspotting
5. PNN algos - proprietary

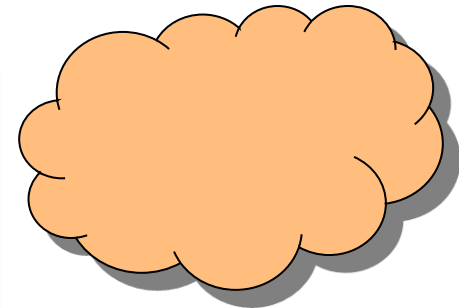
PNN: A Financial AI Platform

Users | Needs | Products



Financial Institutions
(Mutual|ETF|Hedge Funds)

As opposed to spending \$150,000+ and weeks to trend-spot a security, institutions need an AI cloud platform to automatically train and validate deep learning models to predict the trends of security prices



PNN Cloud



Investors

Financial Advisors |
Accredited Investors

Need Android and iPhone AI apps to automatically predict trends of security prices with the best back-test accuracy and the capability of cross validation



PNN Mobile/IoT

PNN Voice AI (Alexa/Echo)